

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P643336

Luminaire Tested: GWS-SA6E-760-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643336
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGE-760-U-T3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27888.6 lumens
Efficiency: N/A
Efficacy: 86.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

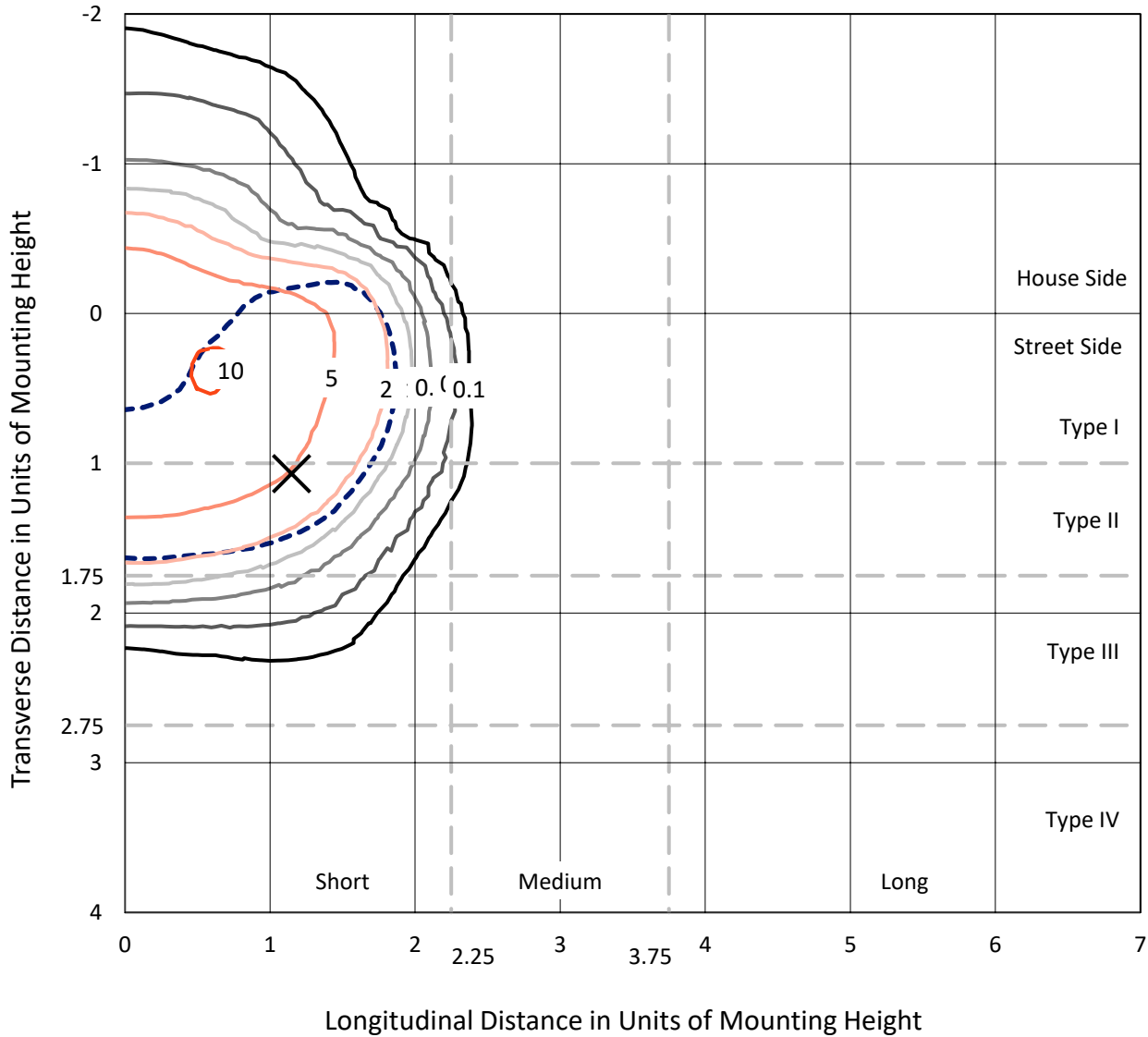
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

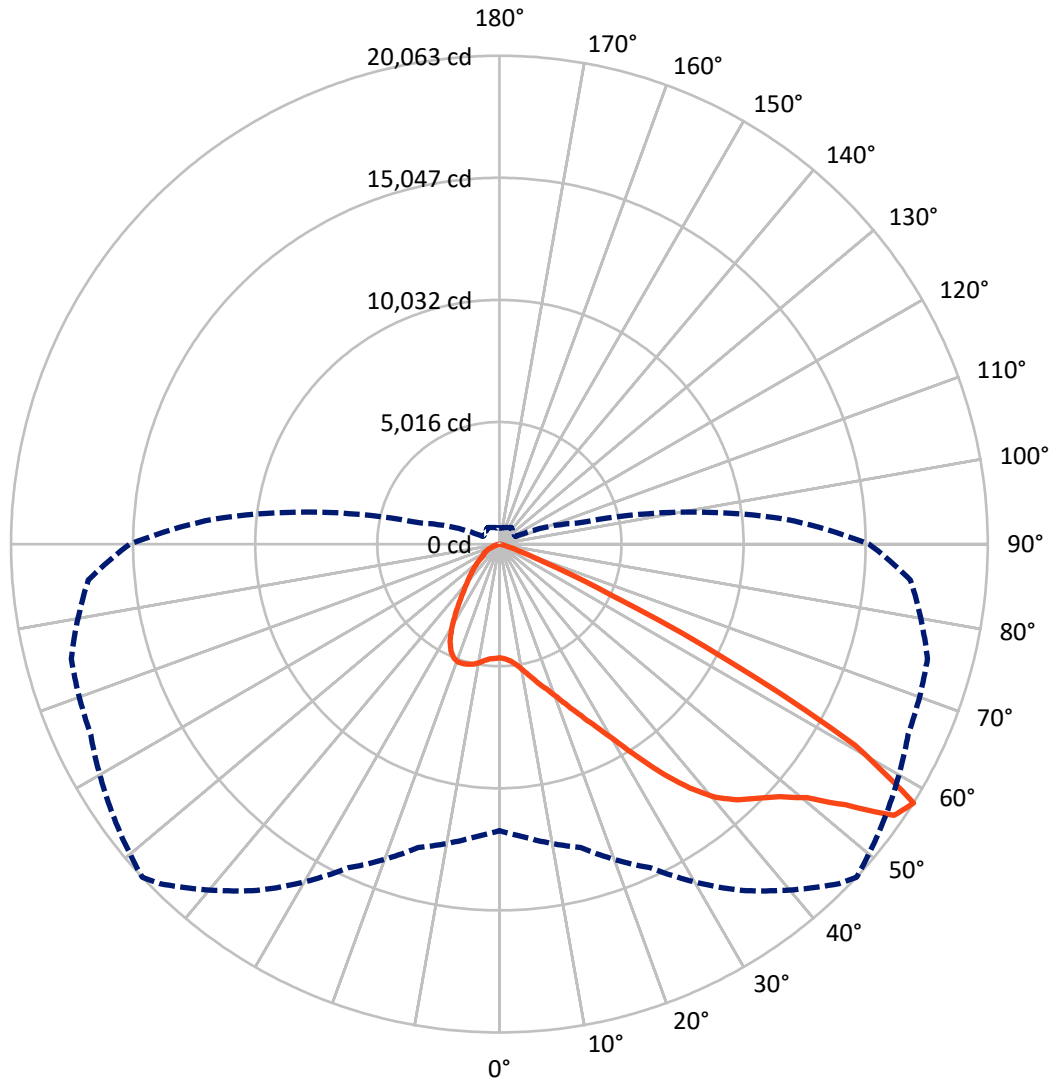
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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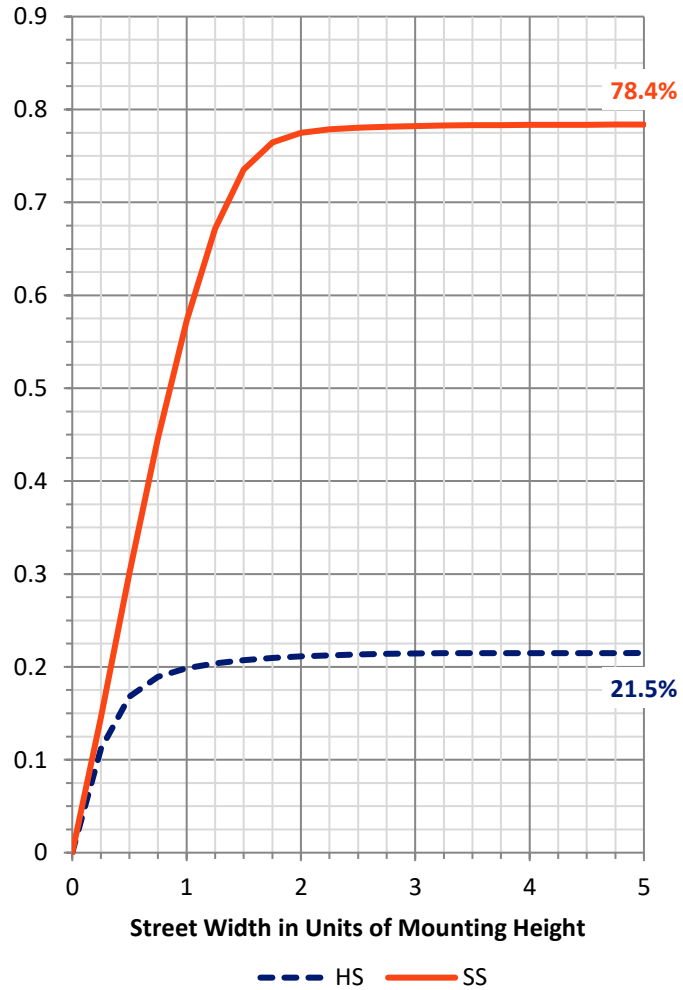
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6050.4	0.0	6050.4
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	21838.2	0.0	21838.2
	% Fixture	78.3	0.0	78.3
Total	Lumens	27888.6	0.0	27888.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	464.5	1.7
10°-20°	1567.2	5.6
20°-30°	2910.0	10.4
30°-40°	4658.3	16.7
40°-50°	6809.4	24.4
50°-60°	8404.0	30.1
60°-70°	2808.1	10.1
70°-80°	261.7	0.9
80°-90°	5.4	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	27888.6	100.0
0°-180°	27888.6	100.0

Coefficient of Utilization



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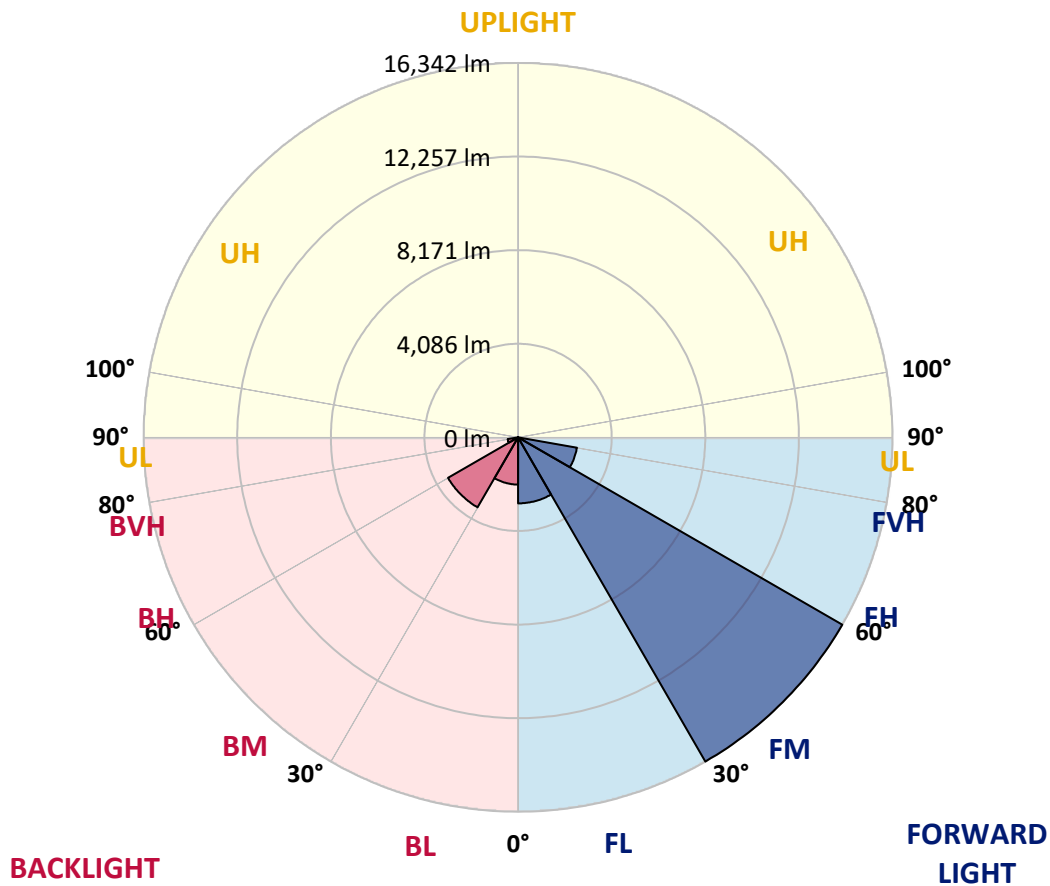
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2882.2	10.3			
FM (30°-60°)	16342.5	58.6			
FH (60°-80°)	2609.8	9.4			G2/5000
FVH (80°-90°)	3.7	0.0			G0/10
BL (0°-30°)	2059.5	7.4	B3/2500		
BM (30°-60°)	3529.2	12.7	B3/5000		
BH (60°-80°)	460.0	1.6	B1/500		G1/500
BVH (80°-90°)	1.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	4668.6	4668.6	4668.6	4668.6	4668.6	4668.6	4668.6	4668.6	4668.6	4668.6	4668.6
2.5°	4717.1	4713.9	4710.7	4730.1	4723.6	4720.4	4726.9	4726.9	4726.9	4707.4	4668.6
5°	4830.5	4830.5	4827.2	4846.6	4830.5	4820.7	4824.0	4824.0	4811.0	4775.4	4726.9
7.5°	5008.5	5002.1	4995.6	5015.0	4998.8	4995.6	5002.1	4982.6	4960.0	4901.7	4833.7
10°	5264.3	5264.3	5254.6	5274.0	5261.1	5254.6	5254.6	5241.6	5199.5	5108.9	5008.5
12.5°	5617.2	5601.0	5578.3	5562.2	5555.7	5552.4	5555.7	5536.3	5490.9	5374.4	5235.2
15°	6002.5	5989.5	5953.9	5928.0	5892.4	5885.9	5905.3	5889.1	5843.8	5685.2	5487.7
17.5°	6488.1	6504.3	6413.6	6358.6	6255.0	6248.5	6255.0	6280.9	6248.5	6044.6	5756.4
20°	6902.5	6915.5	6847.5	6808.6	6714.7	6672.6	6685.6	6727.7	6692.1	6452.5	6051.0
22.5°	7346.1	7362.2	7291.0	7210.1	7168.0	7168.0	7216.6	7274.8	7226.3	6912.2	6387.7
25°	7877.0	7890.0	7831.7	7724.9	7650.4	7744.3	7815.5	7970.9	7890.0	7462.6	6786.0
27.5°	8485.7	8488.9	8404.7	8294.7	8255.8	8430.6	8501.9	8741.4	8709.1	8081.0	7206.8
30°	9136.4	9139.7	9120.2	9045.8	9010.2	9240.0	9337.2	9683.6	9660.9	8848.3	7779.9
32.5°	9813.1	9813.1	9848.7	9842.2	9884.3	10259.9	10415.3	10810.3	10787.6	9787.2	8492.2
35°	10493.0	10496.2	10557.7	10713.1	10888.0	11386.5	11590.5	12069.7	12017.9	10910.6	9401.9
37.5°	11266.8	11234.4	11318.6	11551.7	11940.2	12516.5	12710.7	13167.2	13108.9	12060.0	10590.1
40°	12199.2	12140.9	12140.9	12412.9	12853.2	13516.9	13682.0	13908.6	13711.1	12989.1	11755.6
42.5°	13228.7	13173.7	13102.5	13342.0	13711.1	14229.1	14365.1	14303.6	14141.7	13866.5	13083.0
45°	14271.2	14187.0	14235.6	14381.3	14595.0	14841.0	14892.8	14607.9	14533.5	14611.2	14180.6
47.5°	15064.4	15006.2	15125.9	15329.9	15504.7	15540.4	15504.7	15109.8	15103.3	15378.5	14941.4
50°	15329.9	15336.4	15666.6	16113.4	16395.1	16424.2	16375.6	15922.4	15860.9	15941.8	15352.6
52.5°	15355.8	15381.7	15864.1	16715.6	17482.9	17832.6	17793.7	17304.8	16702.6	16615.2	15974.2
55°	14731.0	14883.1	15556.5	16799.8	18431.5	19548.5	19678.0	18742.3	17848.7	17774.3	17311.3
57.5°	11775.1	12085.9	12898.5	14669.4	17372.8	19726.5	20063.2	19389.8	18525.4	18208.1	16951.9
60°	7038.5	7423.8	8204.0	10376.4	13222.3	16213.8	16793.3	16887.2	16489.0	15572.7	13005.3
62.5°	3020.7	2988.3	3949.8	5614.0	7864.1	10305.2	10567.4	10975.4	11321.8	10363.5	7893.2
65°	1036.0	1126.7	1567.0	2531.8	3936.9	4785.1	5018.2	5384.1	5876.2	4849.9	2891.2
67.5°	641.0	679.9	903.3	1495.8	2123.8	2091.5	1987.9	1929.6	1877.8	1285.3	793.2
70°	466.2	498.6	634.6	1029.5	1427.8	1003.6	870.9	705.8	783.5	722.0	563.3
72.5°	314.0	339.9	437.1	624.9	731.7	488.9	453.3	514.8	621.6	592.5	459.7
75°	187.8	204.0	249.3	304.3	297.9	252.5	255.8	362.6	475.9	443.5	327.0
77.5°	129.5	136.0	165.1	197.5	145.7	77.7	71.2	100.4	161.9	161.9	110.1
80°	32.4	42.1	42.1	25.9	22.7	19.4	19.4	29.1	45.3	32.4	16.2
82.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	6.5	6.5	6.5	6.5
85°	0.0	0.0	3.2	3.2	3.2	3.2	3.2	3.2	6.5	6.5	6.5
87.5°	0.0	0.0	3.2	3.2	3.2	3.2	3.2	3.2	3.2	6.5	6.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4668.6	4668.6	4668.6	4668.6	4668.6	4668.6	4668.6	4668.6	4668.6	4668.6	4668.6
2.5°	4691.2	4652.4	4678.3	4671.8	4691.2	4697.7	4668.6	4662.1	4665.3	4626.5	4613.5
5°	4736.6	4691.2	4704.2	4691.2	4713.9	4733.3	4723.6	4736.6	4752.8	4723.6	4710.7
7.5°	4833.7	4788.4	4785.1	4765.7	4798.1	4811.0	4807.8	4843.4	4875.8	4856.4	4836.9
10°	5002.1	4940.5	4934.1	4917.9	4927.6	4937.3	4901.7	4908.2	4937.3	4914.6	4904.9
12.5°	5209.3	5134.8	5118.6	5079.8	5079.8	5031.2	4953.5	4937.3	4960.0	4943.8	4927.6
15°	5432.6	5332.3	5306.4	5238.4	5173.6	5083.0	5002.1	4982.6	4998.8	4979.4	4966.4
17.5°	5681.9	5568.6	5484.5	5364.7	5222.2	5115.4	5024.7	4982.6	4956.7	4917.9	4914.6
20°	5928.0	5779.1	5636.6	5445.6	5257.8	5095.9	4947.0	4836.9	4743.0	4684.8	4662.1
22.5°	6212.9	5992.7	5762.9	5494.2	5225.4	4979.4	4717.1	4529.4	4367.5	4312.4	4286.5
25°	6517.2	6232.3	5889.1	5539.5	5115.4	4720.4	4364.2	4085.8	3872.1	3800.9	3771.8
27.5°	6853.9	6462.2	6018.6	5529.8	4888.7	4351.3	3878.6	3532.2	3321.8	3257.0	3279.7
30°	7281.3	6760.1	6180.5	5429.4	4548.8	3833.3	3279.7	2988.3	2829.6	2768.1	2771.4
32.5°	7851.1	7187.4	6416.9	5215.7	4111.7	3244.0	2758.4	2544.7	2437.9	2357.0	2350.5
35°	8667.0	7838.2	6637.0	4872.5	3580.8	2719.6	2366.7	2198.3	2049.4	1955.5	1971.7
37.5°	9644.7	8657.3	6756.8	4409.6	2985.0	2311.6	2072.0	1900.5	1732.1	1592.9	1609.1
40°	10803.8	9728.9	6747.1	3800.9	2441.1	2033.2	1826.0	1625.3	1414.8	1288.6	1301.5
42.5°	12095.6	10742.3	6536.7	3156.6	2023.5	1806.6	1589.6	1337.1	1133.2	1055.4	1058.7
45°	13215.8	11564.6	6167.6	2489.7	1703.0	1586.4	1343.6	1084.6	993.9	938.9	935.7
47.5°	14044.6	12166.8	5639.9	1958.7	1444.0	1385.7	1104.0	971.3	900.0	854.7	848.2
50°	14507.6	12377.2	5057.1	1534.6	1220.6	1175.2	987.5	880.6	832.1	802.9	796.4
52.5°	15129.2	12629.8	4639.4	1210.9	1023.1	961.6	909.8	819.1	786.7	764.1	754.4
55°	16113.4	13118.6	4276.8	961.6	851.5	838.5	858.0	783.5	764.1	728.5	715.5
57.5°	15187.5	11784.8	3321.8	744.6	718.7	767.3	828.8	747.9	699.3	666.9	654.0
60°	10687.2	7834.9	1670.6	599.0	641.0	718.7	780.3	676.7	628.1	634.6	628.1
62.5°	5892.4	3920.7	751.1	501.8	556.9	634.6	666.9	586.0	553.6	608.7	618.4
65°	1926.4	1333.9	433.8	388.5	440.3	518.0	576.3	556.9	550.4	615.1	634.6
67.5°	592.5	440.3	294.6	278.4	304.3	382.0	485.6	602.2	647.5	666.9	676.7
70°	443.5	346.4	252.5	236.3	249.3	291.4	411.2	501.8	472.7	475.9	469.4
72.5°	356.1	275.2	216.9	207.2	207.2	200.7	216.9	272.0	307.6	323.8	323.8
75°	249.3	194.3	165.1	152.2	119.8	97.1	87.4	87.4	77.7	74.5	71.2
77.5°	84.2	71.2	64.8	51.8	35.6	29.1	25.9	22.7	16.2	9.7	6.5
80°	13.0	9.7	6.5	6.5	6.5	3.2	3.2	3.2	0.0	0.0	0.0
82.5°	6.5	6.5	6.5	6.5	6.5	3.2	3.2	0.0	0.0	0.0	0.0
85°	6.5	6.5	6.5	6.5	6.5	3.2	3.2	0.0	0.0	0.0	0.0
87.5°	6.5	6.5	6.5	6.5	3.2	3.2	3.2	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)